



1210, The Metropolis Tower, 10 Metropolis Drive, Hung Hom, Kowloon, Hong Kong. Tel: 852.3104.1813  
Email address: sam@tronicbros.com info@tronicbros.com [www.tronicbros.com](http://www.tronicbros.com)

## Transmitter Operational Description

The transmitter device is used a 12V single battery, it is designed to operate a single fixed frequency in the 315MHZ band. Please see the attached block diagram and schematic.

Transmitter is using a four-function Remote Control Encoder-TL2262RB integrated circuit, the TL2262RB able to encode four sequences of binary information into a serial bit-stream data. When push any one of the button keys, it will have information activated, via built-in saw oscillator, the controlling signal will be encoder into a bit-stream data, and as same time, the red LED1 is ON indicated that a controller in activation state, that means a bit-stream data sending from the VT pin of integrated circuit.

Furthermore, capacitors C6, C7, L1 and transistor Q1 form a high frequency oscillator C5 and L3 is to match antenna and reduce harmonic emission of carrier wave signal.